

# PD-9601GO Midspan

## Single Port, 90W, Outdoor PoH Midspan

### Overview

Microsemi's PD-9601GO is a 90W single-port Midspan offering a cost effective, PoH compliant solution for outdoor installations, guaranteeing 90 Watts of power and ensuring safe and reliable operation in outdoor environment of any standard PoH data terminal. It allows wireless LAN access points, security network cameras and other IP terminals to receive power, along with data, over standard Ethernet cables, leaving network infrastructure completely unaltered. The PD-9601GO also offers surge protection for both the AC and the PoE ports ensuring the indoor equipment is protected from outdoor surges.

### Key Features

- Up to 90W of power over 4-pair
- Outdoor rated: IP66
- Extended temperature range -40°C to +65°C
- Power provided using all 4 pairs
- Supports 10/100/1000Mbps data rates
- Plug 'n Play installation (installer does not have to open unit)
- Supports both 802.3af and 802.3at Powered devices
- Includes integral surge protection



### Specifications

Feature	Description
No. of Ports	1
Data Rates	10/100/1000 Mbps
Power over Ethernet Output	4/5 (+), 7/8 (-), 1/2(-), 3/6(+) Output Power Voltage: 54 VDC
User Port Power	90 Watts (Guaranteed)
Input Power Requirements	AC Input Voltage: 100-240Vac ±10% AC Input Current: 2.5A @ 100Vac AC Frequency: 50 to 60Hz
Dimensions	214 mm x 150 mm x 70 mm 8.42 in. x 5.90 in. x 2.75 in
Weight	4.85 lbs (2.2Kg)
Connectors	Shielded rugged RJ-45 (with gasket)
Environmental Conditions	Operating Ambient Temperature: -40° to 149°F (-40 to 65°C)
	Operating Humidity: Maximum 95%, Non-condensing
	Storage Temperature: -40° to 158°F (-40° to 85°C)
	Storage Humidity: Maximum 95%, Non-condensing
	Operating Altitude Up to 6,560 ft. (2000 m)
Reliability	MTBF: 189,000 hrs. @ 25°C
Weather Rating	IP66, NEMA 4X
Thermal Rating	41 BTU/Hr (@240VAC)
Warranty	1-year
Regulatory Compliance	IEEE 802.3af (PoE, PoH Type1) IEEE 802.3at (PoE+ including 2-event, PoH Type 2), RoHS Compliant, WEEE Compliant, CE
Electromagnetic Emission & Immunity	FCC Part 15, Class B EN 55022 Class B EN 55024 VCCI
Surge Protection	Meets Surge Protection as specified in GR-1089-CORE Issue 6 ITU-T K.20 6 kV on AC lines
Safety	UL/IEC/EN 60950-1 UL-69950-22
Other Standards and	Dust and water intrusion: EN60529
Approvals	Level1P66; NEMA 250, Level 4X ASTM B-117 Corrosion Resistance

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### Ordering Information

Microsemi p/n	Name	Description
PD-9601GO/AC	Microsemi PD-9601GO	Single Port, Outdoor PoH Midspan

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